

COMCAST Standard

Related Documents

The following related sections of the OT standards shall also be applicable to this section.

OT Engineer shall approve all product cut sheets prior to purchasing and installation by contractor. Reference S9 Approved Products.

S1 Approved Product Request
S1 Change Request
S1 Request for Variance
S1 Resource Allocation Permit
S2 Introduction
S3 SOP and Policy
S4 Emergency Tenant Paging
S7 271519-TC Horizontal Cabling
S7 270000-TC Common Work
S7 270100-TC Systems Cabling
S7 270526-TC Grounding and Bonding
S7 270528-TC Hangers and Support
S7 270553-TC Identification
S8 PS ALI Standard
S9 Approved Products

It is the responsibility of the end user or tenant to install the coax from the user or tenant space to the closest COMCAST Network Access Point (CNAP).

For NEW installations shared use of tenant installed Emergency Evacuation system conduit is allowed. Refer related standard S4 Emergency Tenant Paging.

This installation shall follow MAA design standards and shall also follow MAA Permit procedures if applicable.

Terminations of the COAX shall not be twist on or screw on connectors. All connectors shall be compression crimp fittings.

COMCAST can terminate coax for an additional fee.

COMCAST has established COMCAST Network Access Point (CNAP) at BWI. They are

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A Pier - lower	Room #
	A-126
	A-107
	AT-031
	AT-109
	AT-119

A Pier - upper	Room #
	AT-261

B Pier - lower	Room #
P1-42 (1310/1550) NEED CODE	BT-017
	ST-122
	BT-139
	B-102
	B-140
	B-163A

B Pier - upper	Room #
	B-244
	B-235
	BT-269A

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C Pier - upper

Room

	C204
	C235
	CT-213
	ST-204

D Pier - lower

Room

P1-42F (CH33/1511)	DY-126
	DY-148
P1-42D (CH26/1611)	DX-137A

D Pier - upper

Room

<div style="text-align: right; padding-right: 10px;">ceiling</div> <div style="text-align: right; padding-right: 10px;">ceiling</div> P1-42C (CH24/1571) P1-42B (CH22/1591)	DY-231
	@ gate D12
	@ gate D10
	DX-214
	D-208
	NT-204
	NTE-261C

E Pier - upper

Room

P1-42E (CH28/1531)	E-3108
	E-3110
	E-3201
	E-3211
	E-3301
	E-3518

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E Pier - lower	Room #
	E-1802
	E-1836

BWI Fire Dept	Room #
P1-42G (CH39/1471)	ARFF

MAA-Aviation	Room #
P1-42H (CH21/1551)	Kauffman

All Coax installed shall be RG 11, plenum rated cabling.
COMCAST has recommended we use Commscope plenum rated RG-11 drop cable. Link below.

http://awapps.commscope.com/catalog/uniprise/product_details.aspx?id=37708

NOTE: RG 6 cable can be used but not recommended due to distance limitations and potential signal loss for high speed applications.

The use of screw on connectors is not recommended. The use of crimp on connectors provides a superior connection and higher performance.

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COMCAST SALES

For BWI tenants interested in Comcast Business High-Speed Internet, Phone and/or TV service, EMAIL or call Manda Gross at manda_gross@comcast.com or 410-443-1699 . Manda will provide you with the latest products and pricing for BWI.

You can explore the services offered by Comcast Business Class at www.business.comcast.com Customers must run their own RG11 coax cable from the nearest communications closet to the room/kiosk. Once that is complete, Manda will coordinate product installation.

Patrick Kenefick, Regional Business Consultant
Comcast Business Services
253 Najoles Rd, Millersville, MD 21108

E-Mail: Patrick_Kenefick@comcast.com

Office: 410 729 8054 Cell: 443 764 6430 Fax: 866 810 3911
Technical & Billing questions, contact our Support line (800) 391-3000

COMCAST Service

For any service questions AFTER INSTALLATION, call the Comcast Business CARE Team at 800-391-3000.

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Construction Materials

Construction Type	Non-armored
Center Conductor Material	Copper-clad steel wire
Dielectric Material	Foam FEP
Inner Shield (Braid) Coverage	77 %
Inner Shield (Braid) Gauge	34 AWG
Inner Shield (Braid) Material	Tinned copper
Inner Shield (Tape) Material	Aluminum/Poly, bonded
Jacket Material	PVC
Outer Shield (Tape) Material	Aluminum/Poly, non-bonded

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	69.00 lb/kft
Diameter Over Center Conductor	1.6281 mm per 1 strand 0.0641 in per 1 strand
Diameter Over Dielectric	7.0612 mm 0.2780 in
Diameter Over Jacket	8.941 mm 0.352 in
Diameter Over Jacket Tolerance	±0.008 in
Diameter Over Shield (Braid)	7.823 mm 0.308 in
Jacket Thickness	0.457 mm 0.018 in
Jacket Thickness, minimum spot	0.330 mm 0.013 in

Electrical Specifications

Capacitance	52.5 pF/m 16.0 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	11.00 ohms/kft
Dielectric Strength, conductor to shield	4000 Vdc

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Jacket Spark Test Voltage	5000 Vac
Nominal Velocity of Propagation (NVP)	84 %
Structural Return Loss	15 dB @ 1000–3000 MHz 20 dB @ 5–1000 MHz
Structural Return Loss Test Method	100% Swept Tested

Environmental Specifications

Environmental Space	Plenum
Flame Test Method	CMP
Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Safety Standard	cETL ETL
UL Temperature Rating	75 °C 167 °F

General Specifications

Cable Type	Series 11
Jacket Color	White
Product Number	2289V
Center Conductor Gauge	14 AWG
Center Conductor Type	Solid
Packaging Type	Reel

Mechanical Specifications

Minimum Bend Radius, loaded	20 times
Minimum Bend Radius, unloaded	10 times

Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1 MHz	0.49	0.15
10 MHz	1.48	0.45
50 MHz	2.95	0.90
100 MHz	4.20	1.28
200 MHz	6.07	1.85
400 MHz	9.02	2.75
700 MHz	12.86	3.92
900 MHz	15.48	4.72
1000 MHz	16.53	5.04
1450 MHz	21.88	6.67
1800 MHz	25.29	7.71

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2200 MHz	27.88	8.50
3000 MHz	32.41	9.88

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

